

Multi User Oral Cleansing Device, DentalJet
Inventor: Zoltan Egeresi

CLAIMS

What I claim as my invention is a Multi User Oral Cleansing Device, DentalJet comprising of :

1. A diverter capable to be connected to a faucet by means of threaded captive nut with a cylindrical rotating mechanism able to turn 90 degree to adjust water flow between normal and diverted direction and in partial diversion functions as a volume control;
 - a. a diverter having a cleanable, reusable washer / filter insert to filter out any sediments to block water flow through the narrow DentalJet nozzle opening having two fine plastic screens vulcanized into the rubber washer at the perimeter and has a fine filter felt between the two screens;
 - b. a diverter capable for water tight compression fitting with a flexible PVC hose or similar under normal household water pressure as means of conducting water from the diverter to the nozzle.
2. A barbed adapter made of brass, stainless metal or strong plastic capable to provide water tight connection at the input of the adapter, also called “ the interchangeable hose assembly”;
 - a. short flexible, expandable approximately 1” length rubber tube fitted on the nozzle side of the adapter and clamped onto it at the center capable to be inserted into the handle without water pressure as part of the “ the interchangeable hose assembly “ as mentioned before, extractable without water pressure allowing color coded handle / jet assembly exchange for other users;
 - b. said adapter having a hole longitudinally in the center, narrower at the end where water exist functioning as a volume / pressure limiter;

- c. same adapter having a diagonal hole across it in under the aforementioned rubber tube causing it to bulge up under water pressure providing firm water tight fit inside the DentalJet's handle;
- d. this rubber hose as mentioned in 2a, 2c bulges up with water pressure, releases water around the front end of the adapter towards the nozzle as it deflates partially than pressure bulges up the rubber tube again, and it gets partially deflated, this repeated cycle creates a pulsating jet stream;
- e. single user version has the metal barbed adapter molded inside the nozzle tip